

Work Order ID 63258

October 26, 2010 3:26:36 PM



Page 1

Item ID: D4201-1 Accept

Revision ID: PRELIM

Item Name: Retaining Ring

Start Date: 10/29/10 Start Qty: 100.00

Required Date: 10/29/10 Req'd Qty: 100.00

Reference:



Setup Start

Stop

Cust Item ID:

Customer:



Run Start

Stop

Approvals: Process Plan: CL Date: 10/10/26 Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4201	PA1

100 0.00



Purchasing

Purchasing

PURCHASING

Memo

Issue P/O: 12811

Possible Suplier: MCMaster CARR

Material release note required

0.00

CL 10/10/27 (60)

110 0.00



Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

Ensure material certification is attached

0.00

CL 10/11/10 (100)

120 0.00



QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

0.00

inspects to PA1
Qty only
10/10/26

(HOD)
QSPD19

PRELIMINARY ISSUE

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 63258

October 26, 2010 3:26:36 PM

Page 2

Item ID: D4201-1 **Accept****Revision ID:** PRELIM**Item Name:** Retaining Ring**Start Date:** 10/29/10 **Start Qty:** 100.00**Required Date:** 10/29/10 **Req'd Qty:** 100.00**Reference:****Approvals:** **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____**QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____**Run Start****Stop**

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 Packaging	Identify as per dwg & Stock Location: _____ Memo	0.00 0.00				_____	_____	_____	_____
140 QC	QC21- Final Inspection - Work Order Release Memo	0.00 0.00				_____	_____	_____	_____
Quality Control									

POSITIVE RECALL

EFFECTIVE 10-27

RELEASED _____

AUTH _____

DATE _____

Pl 11-06-9
100
Eagle

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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NOTE: Date & initial all entries

Picklist Print

Page 1

October 26, 2010 3:26:35 PM

Work Order ID: 63258



Parent Item: D4201-1



Parent Item Name: Retaining Ring



Start Date: 10/29/10

Required Date: 10/29/10

Start Qty: 100.00

Required Qty: 100.00

Comments: IPP REV:A NEW ISSUE 10-10-22 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
97633A120  RETAINING RING		Purchased	No			100	Each	0.0000	1 	100		<i>10/26/10</i> <i>(100)</i>	

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

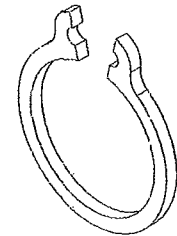
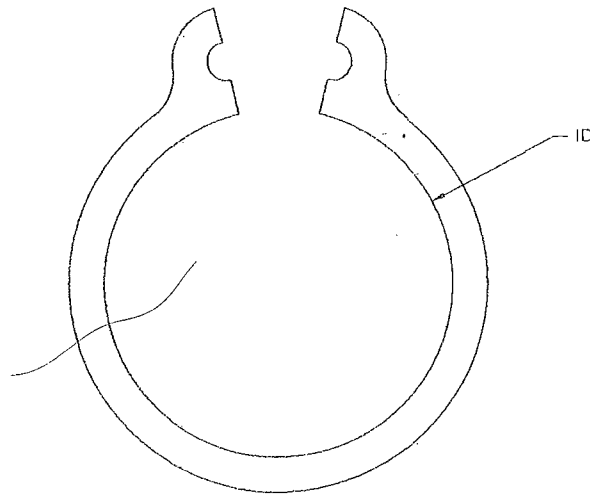
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

SPECIFICATION CONTROL DRAWING



CL 10/10/26
W 10.63258

DART PART NUMBER	DESCRIPTION	MANUFACTURER	MANUFACTURER PART NUMBER	MATERIAL	FINISH	FITS GROOVE DIAMETER "ID"	THICKNESS "T"
D4201-1	RETAINING RING	MCMASTER-CARR	97633A120	C1060-C1090 STEEL	BLACK PHOSPHATE	0.175	0.015

D4201-X RETAINING RING

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: SEE TABLE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.00 lbs

PA1	NEW ISSUE		10.09.28
REV.		DESCRIPTION	BY DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. PA1
MFG. APPR.		D4201	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		RETAINING RING	NTS
DATE	10.09.28	COPYRIGHT © 2010 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.</small>	

W/O:		WORK ORDER CHANGES					
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NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO12811

Purchase Order Date 10/27/10
PO Print Date 10/28/10

Page Number 1 of 2

Order From :

VU-MCM001

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

Contact Name

Vendor Phone 330 995 5500

Vendor Fax 330 995 9600

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA



Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	97633A120	RETAINING RING	11/01/10 Yes	100.00 Each	Purolator ground	\$0.0621	\$6.21
Special Inst:			AS PER DWG D4201 REV. PA1 B63258 MCMaster P/N: 97633A120				
2	91525A120	washer	11/01/10 Yes	100.00 Each	Purolator ground	\$0.2916	\$29.16
Special Inst:			AS PER DWG D3456 REV. A B63239 MCMaster P/N: 91525A120				
3		91251A353 10-32 CAP SCREW 2"	11/01/10 No	2.00	Purolator ground	\$5.0500	\$10.10
Deliver To: FINISHING							
4		91251A360 10-32 CAP SCREW 3"	11/01/10 No	2.00	Purolator ground	\$7.5300	\$15.06

10/28/10



Purchase Order
PO12811

Page 1 of 2

100 Aurora Industrial Parkway
Aurora OH 44202
1-800-995-5500
e.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

McMaster-Carr Number
7917251-01

10/28/2010

Line	Description	Ordered	Shipped
1	97633A120 Black-Phosphate Steel External Retaining Ring, for 3/16" Shaft Diameter, Packs of 100 Unit Price: \$6.21 Extended Price: \$6.21	1 Pack	1
2	91525A120 Type 316 Stainless Steel Large-Diameter Flat Washer, 1/4" Screw Size, 1" OD, .04"-.06" Thick, Packs of 25 Unit Price: \$7.29 Extended Price: \$29.16	4 Packs	4
3	91251A353 Black-Oxide Alloy Steel Socket Head Cap Screw, 10-32 Thread, 2" Length, Packs of 25 Unit Price: \$5.05 Extended Price: \$10.10	2 Packs	2
4	91251A360 Black-Oxide Alloy Steel Socket Head Cap Screw, 10-32 Thread, 3" Length, Packs of 25 Unit Price: \$7.53 Extended Price: \$15.06	2 Packs	2

A11

3 - 326 - 01 06 - 48 A120 1 PK 1

2 - 703 2

2 - 681 3

2 - 681 4

Dart Aerospace Ltd

EXP

Sm
12x7x5

SS-R-0707



4 lbs
4 lines

FW1BSP42
10/28/2010
12:55/13:07
632
Cycle 40

0130746625660

